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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/728,982

12/08/2003

Steve Roman Michel Van Den Berghe

Q78732

2806

23373

7590

12/19/2005

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2100 PENNSYLVANIA AVENUE, N.W.
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WASHINGTON, DC 20037

EXAMINER

LIN, SUN J

ART UNIT

PAPER NUMBER

2825

DATE MAILED: 12/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/728,982	Applicant(s) VAN DEN BERGHE ET AL.	
	Examiner Sun J. Lin	Art Unit 2825	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 and 11-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-8 and 11-16 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 December 2003 and 30 September 2005 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is in response to applicant's Amendment and Remarks filed on 09/30/2005 regarding application 10/728,982 filed on 12/08/2003. Claims 9 and 10 have been cancelled. Claims 11 – 16 are newly added. Claims 1 – 8 and 11 – 16 remain pending in the application.

Quayle Action

2. This application is in condition for allowance except for the following formal matters:

Claim Objections

- Claim 1, line 4, before "traffic signals" insert ~~—said—~~.
- Claim 4, line 2, before "protocol" insert ~~—transmission—~~.
- Claim 6, line 2, before "protocol" insert ~~—transmission—~~.
- Claim 8, line 4, before "traffic signals" insert ~~—said—~~.
- Claim 12, line 1, before "protocol" insert ~~—transmission—~~.
- Claim 14, line 1, before "protocol" insert ~~—transmission—~~.
- Claim 16, line 2, delete ~~—circuit—~~.
- Claim 16, line 2, delete ~~—wherein—~~.
- Claim 16, line 4, before "first" insert ~~—a—~~.
- Claim 16, line 9, change "a computer program product" to ~~—the computer program product—~~.

Appropriate corrections are required.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

Claims 1 – 8 and 11 – 16 are allowed because the prior art does not teach or suggest the following subject matter:

- A computer program product for generating and/or analyzing traffic signals for testing at least a portion of an integrated-circuit-environment adapted to handle the traffic signals, said computer program product comprises at least one specific module, which provides transmission protocol specific to said integrated-circuit-environment to at least one generic module in combination with other limitations as recited in **Claim 1**;
- A computer for running a computer program product for generating and/or analyzing traffic signals for testing at least a portion of an integrated-circuit-environment adapted to handle the traffic signals, said computer program product comprises at least one specific module, which provides transmission protocol specific to said integrated-circuit-environment to at least one generic module in combination with other limitations as recited in **Claim 8**;
- A method for testing at least a portion of an integrated-circuit-environment adapted to handle traffic signals, the method comprises a first specific module, a second specific module, a first generic module and a second generic module, wherein the first specific module and the second specific module respectively provide the first generic module and the second generic module a transmission protocol, which is used by said integrated-circuit-environment in combination with other limitations as recited in **Claim 16**.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Examiner's Remarks

4. According to Examiner's former working experience in testing earth station equipment, it is noticed by the Examiner that applicants' claimed inventions have been implemented in many digital telecommunication test equipments (DTTE) available in the markets for use in evaluation of digital telecommunication systems (e.g., earth stations

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for satellite communications) using loop-back test scheme. Notice that the digital communication system use packet format to transmit digitized signals. The DTTE has a first specific module is transmission protocol selection module on the transmission portion. The transmission protocol being used by a digital communication system (i.e., integrated-circuit-environment) under test is selectable using a selection keypad by a user. The DTTE has a first generic module to format (e.g., adding overheads, forward correct code etc.) the digitized packet signals according transmission protocol selected. The formatted signal packets are stores in a transmit buffer (i.e., traffic sender) and are to be forward to the digital telecommunication equipment under test sequentially. The DTTE has same set of counterparts of a second specific module, a second generic module and receive buffer on the receive port. The functions of the second generic module is to un-format (i.e., removing overhead etc.) of digital signals received from the digital telecommunication equipment under test according to a transmission protocol specified by the second specific module and selectable by the user using another selection keypad. It is recommended that, before granting the allowance, applicants should clearly explain the difference between their claims inventions and the aforementioned DTTE available in the market.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sun J Lin whose telephone number is (571) 272 - 1899. The examiner can normally be reached on Monday-Friday 9:30AM - 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S Smith can be reached on (571) 272 - 1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sun James Lin
Patent Examiner
Art Unit 2825
December 12, 2005

A handwritten signature in black ink, appearing to read "James Lin", with a stylized flourish at the end.



1 / 2

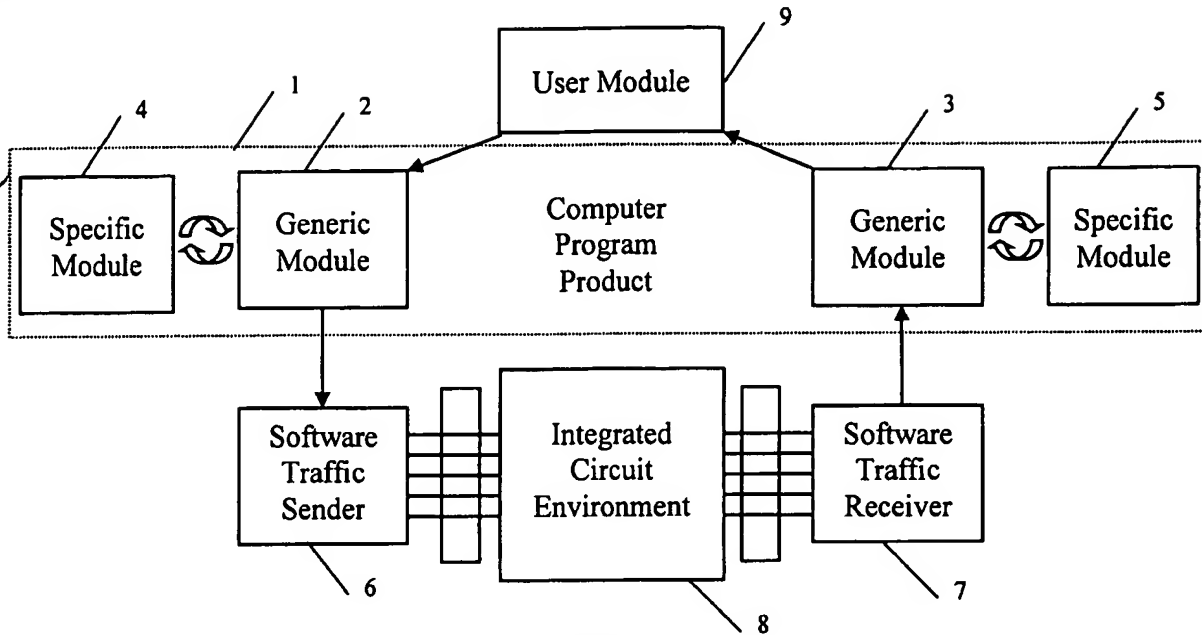


FIG. 1

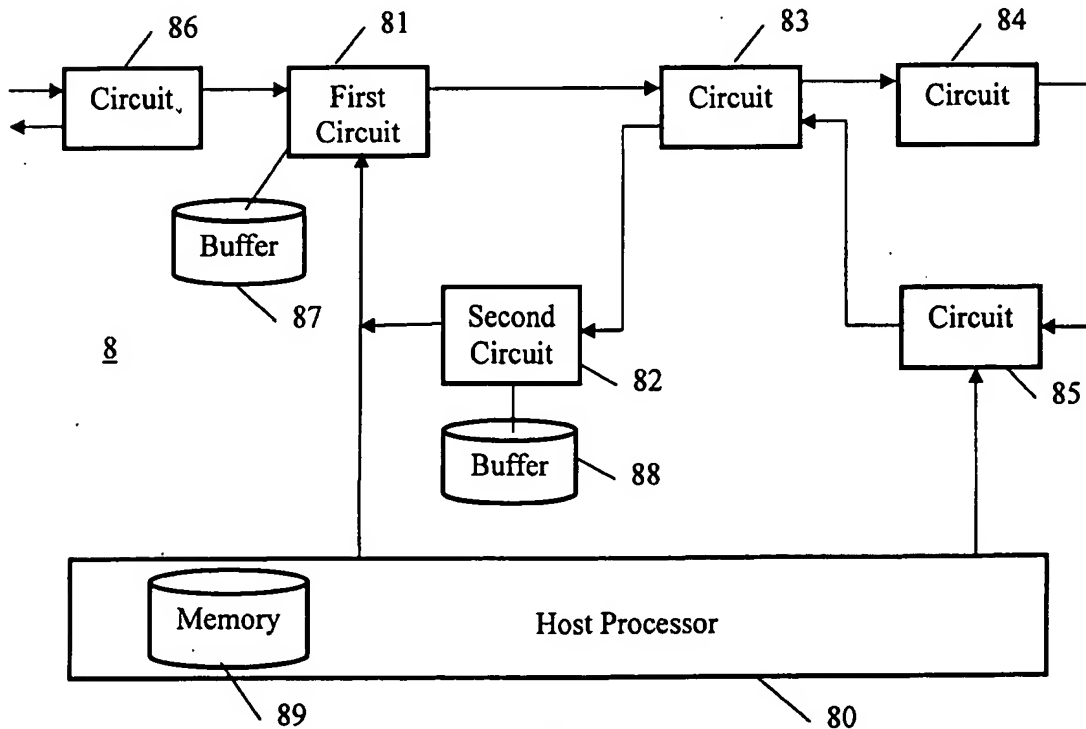


FIG. 2

Revised
OK
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12-2-05

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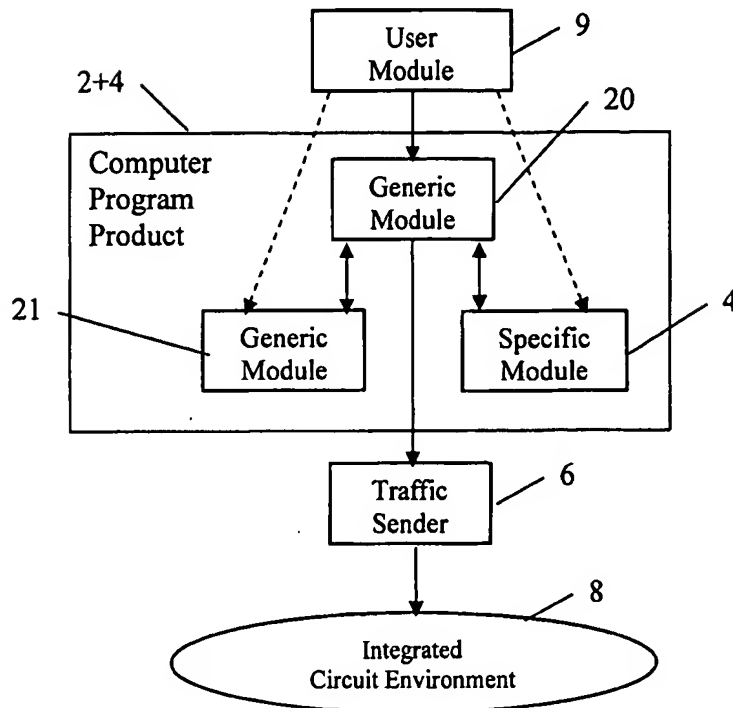


FIG. 3

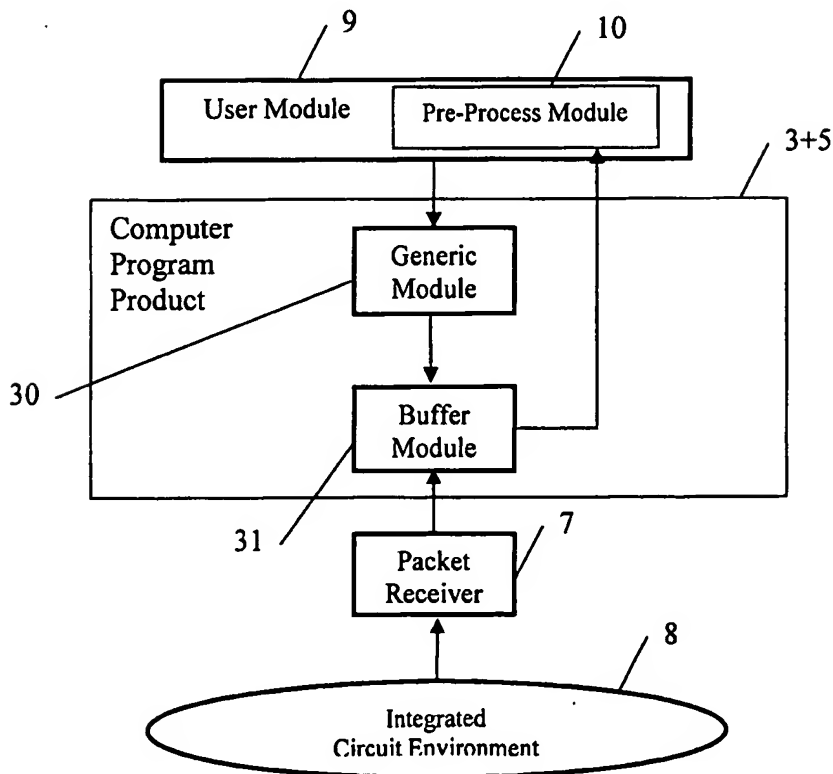


Fig. 4